#### INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/001838

## A. CLASSIFICATION OF SUBJECT MATTER

## IPC7 C09K 11/59

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C09K11/08,11/59,11/64, H01J11/02, H05B33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS, PAJ, USPTO

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2003-7215 A (NEC CORPORATION) 10.JANUARY 2003 claim1-3, column17-20	10,11 1-9, 12-15
Y A	US 2001/3410 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 14. JUNE 2001 abstract, column40-42, example1-3, claim1,2	10,11 1-9
<b>A</b>	US 2003/85853 A1 (HITACHI LTD.) 8.MAY 2003 column18, 78, embodiment3, claim4-6	4-6,11,13,14
Α	US 2002/113552 A1 (KONINKLUKE PHILIPS ELECTRONICS N.V.) 22. AUGUST 2002 column20,35,40 embodiment1, claim7	1-3,7
A	JP 2002/117760 A (MATSUSHITA ELECTRIC IND CO., LTD.) abstract, claim1, example1	4-6

Further	documents	are	listed	in the	continuation	of Box	C.
 1 uruici	documents	ai c	113100	in dic	Continuation	OI DOX	٠.

X | See patent family annex.

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Date of the actual completion of the international search

09 NOVEMBER 2004 (09.11.2004)

Date of mailing of the international search report

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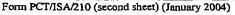
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Information on patent family members

International application No.
PCT/KR2004/001838

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